

WHAT IS CLAIMED IS:

1. A polymer composite comprising at least one, optionally
hydrogenated, nitrile rubber polymer having a Mooney viscosity (ML
5 1+4 @ 100°C) below 30, at least one filler and optionally at least
one cross-linking agent.
2. A polymer composite according to Claim 1, wherein the polymer
Mooney viscosity (ML 1+4 @ 100°C) is below 20.
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3. A polymer composite according to Claim 1, wherein the polymer
Mooney viscosity (ML 1+4 @ 100°C) is below 10.
4. A polymer composite according to Claim 1, wherein the polymer
15 composite further comprises a peroxide, resin or sulfur curing
system.
5. A process for preparing a polymer composite according to Claim 1,
comprising mixing at least one, optionally hydrogenated, nitrile
20 rubber polymer having a Mooney viscosity (ML 1+4 @ 100°C)
below 30, at least one filler and optionally at least one cross-linking
agent.
6. A process for the manufacture of a shaped article comprising the
25 step of injection molding a polymer composite comprising at least
one, optionally hydrogenated, nitrile rubber polymer having a
Mooney viscosity (ML 1+4 @ 100°C) below 30, at least one filler
and at least one cross-linking agent.

7. A process according to Claim 6, wherein the shaped article is seal, gasket, belt, hose, bearing pad, stator, well head seal, valve plate, cable sheathing, wheel, roller, in place gaskets or pipe seal.
- 5 8. A process for the manufacture of a shaped article comprising the step of liquid injection molding a polymer composite comprising at least one, optionally hydrogenated, nitrile rubber polymer having a Mooney viscosity (ML 1+4 @ 100°C) below 10, at least one filler and at least one cross-linking agent.
- 10 9. A process according to Claim 8, wherein the shaped article is seal, gasket, belt, hose, bearing pad, stator, well head seal, valve plate, cable sheathing, wheel, roller, in place gaskets or pipe seal.